

Non-Instrumented Management Of Compiled Code

Abstract of the Invention

Disclosed are a method, apparatus and system for dynamically managing layout of compiled code in a managed runtime environment. Profile feedback is generated during runtime, based on hardware event data that is gathered during runtime. A code manager dynamically relocates compiled code to reduce miss events based on the profile feedback. The code manager may also relocate virtual method tables in a virtual table region in order to reduce data miss events. The method does not require a prior run of an application program because profile feedback is based on event data that is tracked by hardware during execution of the software application and is not based on instrumented code.